



**BACHELOR of SCIENCE in GEOGRAPHY and ENVIRONMENTAL STUDIES  
KARST GEOSCIENCE AND WATER RESOURCES (#675-GRKW)**

Department of Geography and Geology  
Ogden College of Science and Engineering  
Western Kentucky University

The suggested program of study shown below should be used in consultation with your advisor(s). Every student will finish with a unique plan of his/her own depending on the electives selected.

**SAMPLE – Finish in Four Plan**

<b>FIRST YEAR (Freshman Year)</b>			
GEOL/G 103 Earth (NS)	3	GEOG 110 Fndtns S&B	3
ENG 100 Writing	3	MATH 183 Statistics	3
MATH 116 Algebra (Colonnade MATH)	3	GEOG 280 Env & Sustain Science Lab	4
HIST 101 or 102 (Colonnade History)	3	COMM 145 (Colonnade Comms)	3
GEOG 175 Freshman	2	ENG 200 Literature	3
<b>SEMESTER CREDIT HOURS</b>	<b>14</b>	<b>SEMESTER CREDIT HOURS</b>	<b>16</b>

<b>SECOND YEAR (Sophomore Year)</b>			
MATH 136 Calculus 1	4	GEOG 300 Writing (Colonnade Writing)	3
GISC 316 GIS Intro	4	GISC 317 GIS II	4
Language Colonnade	3	CHEM 120	3
Colonnade Arts Human	3	Connections S&C	3
GEOG/L 310 Hydrology	3	GEOG Major Elective	3
<b>SEMESTER CREDIT HOURS</b>	<b>17</b>	<b>SEMESTER CREDIT HOURS</b>	<b>16</b>

<b>THIRD YEAR (Junior Year)</b>			
GEOG 391 Spatial Stats	4	GEOG 461 Karst Env	3
PHYS 201 or BIOL 122	4	Connections Local-Glbl	3
Connections Systems	3	GEOG 475 Field MCNP	3
GEOG Major Elective	3	GEOG Major Elective	3
		GEOG Major Elective	3
<b>SEMESTER CREDIT HOURS</b>	<b>14</b>	<b>SEMESTER CREDIT HOURS</b>	<b>15</b>

<b>FOURTH YEAR (Senior Year)</b>			
GEOG 452/475 Field	4	GEOG Major Elective	3
GEOG Major Elective	3	Independent Research	2
University Elective	3	GEOG Major Elective	3
Independent Research	3	University Elective	3
GEOG 499 Prof Prep	1	GEOG/WKU Elective	3
<b>SEMESTER CREDIT HOURS</b>	<b>14</b>	<b>SEMESTER CREDIT HOURS</b>	<b>14</b>
		<b>Total Credit Hours:</b>	<b>120</b>

- 120 Hours total are required in the program, with 42 hours at the 300/400 level.
- Summer courses, including Study Abroad, Field Camps, and other independent research opportunities, can reduce the number of hours required in the regular semesters.
- Any of the courses can be moved from semester to semester to take advantage of courses when offered.
- The WKU Colonnade Program requires a minimum of 39 hours, with several required courses in the Geography program that can be double-counted. GEOG courses marked \* count for Colonnade Credit.
- Colonnade Connections courses are restricted to Juniors/Seniors, unless 21 credit hours of Colonnade Explorations and Foundations courses have already been completed. Three disciplines are required for Connections credit (METR, GEOG, GEOL, and GISC count as separate disciplines).

REQUIRED IN THE MAJOR (52 hours): **CORE COURSES** = GEOG/L 103 (OR GEOL 111)\*, 110\*, 300\*, 316, 317, 391, 452\* or 475 or 495, 499 (26 hours); **CONCENTRATION COURSES** = GEOG 280\*, 310, 461, 475; **ELECTIVES** = any 13 hours of approved GEOG or equivalent coursework; **PLUS** MATH 136\*, MATH 183\*, PHYS 201\* or BIOL 122\*, CHEM 120\* For more details and courses offered in the Colonnade General Education program visit the [website](#).

**World Language Requirement:** Language Proficiency of novice-high before completing 60 credit hours is required (or completion of 2nd level of a language). Two credits (or equivalent) of a single world language in High School satisfies this WKU requirement.

**For more Information:**    **Department:** Geography and Geology  
**Website:** <https://www.wku.edu/geoweb/>  
**Phone:** (270) 745-4555  
**Email:** [geoscience@wku.edu](mailto:geoscience@wku.edu)  
**Course Descriptions:** <http://www.wku.edu/undergraduatecatalog/>